Naval Reserve Space & Network Warfare Program
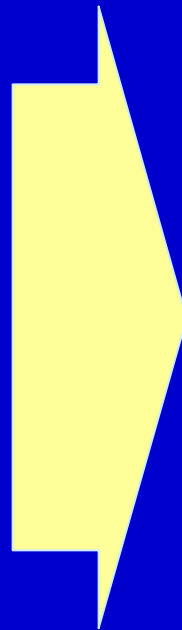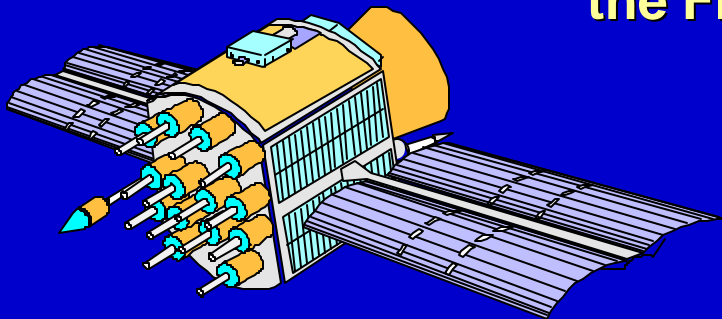
NR Program 18 Overview

NR Space & Network Warfare Program

Facilitate the Integration of Space/ISR and Networks to Prepare the Navy to Fight and Win Network Centric Wars

SNWP Goal:
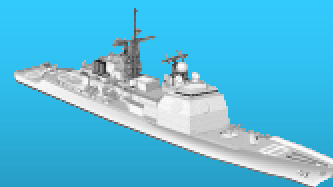**Bring Space / ISR Information to the Fleet**
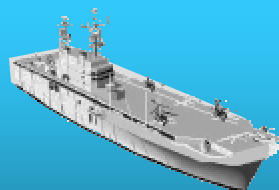
<u>**End-to-End Focus**</u>

- **Space, IT and IO Policy**
- **Requirements Identification**
- **Acquisition & Engineering**
- **Space / ISR Products**
- **Concept Development**
- **Fleet Battle Experiments**
- **Fleet Space / ISR Training**
- **Fleet Exercise Support**
- **Fleet Ops Support**
- **Surge Augmentation**

SNWP Dual "Fleet-Centric" Focus

Provide the Space / ISR Information Needed by Naval Forces

Integrate Space / ISR Information into Naval Combat Systems and Operations
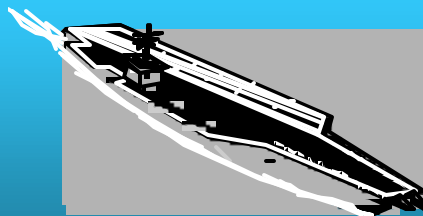
Fleet Commanded Space/IT/IO Central Authority

CNO ★★★★

N6/7 ★★★

N61 ★★

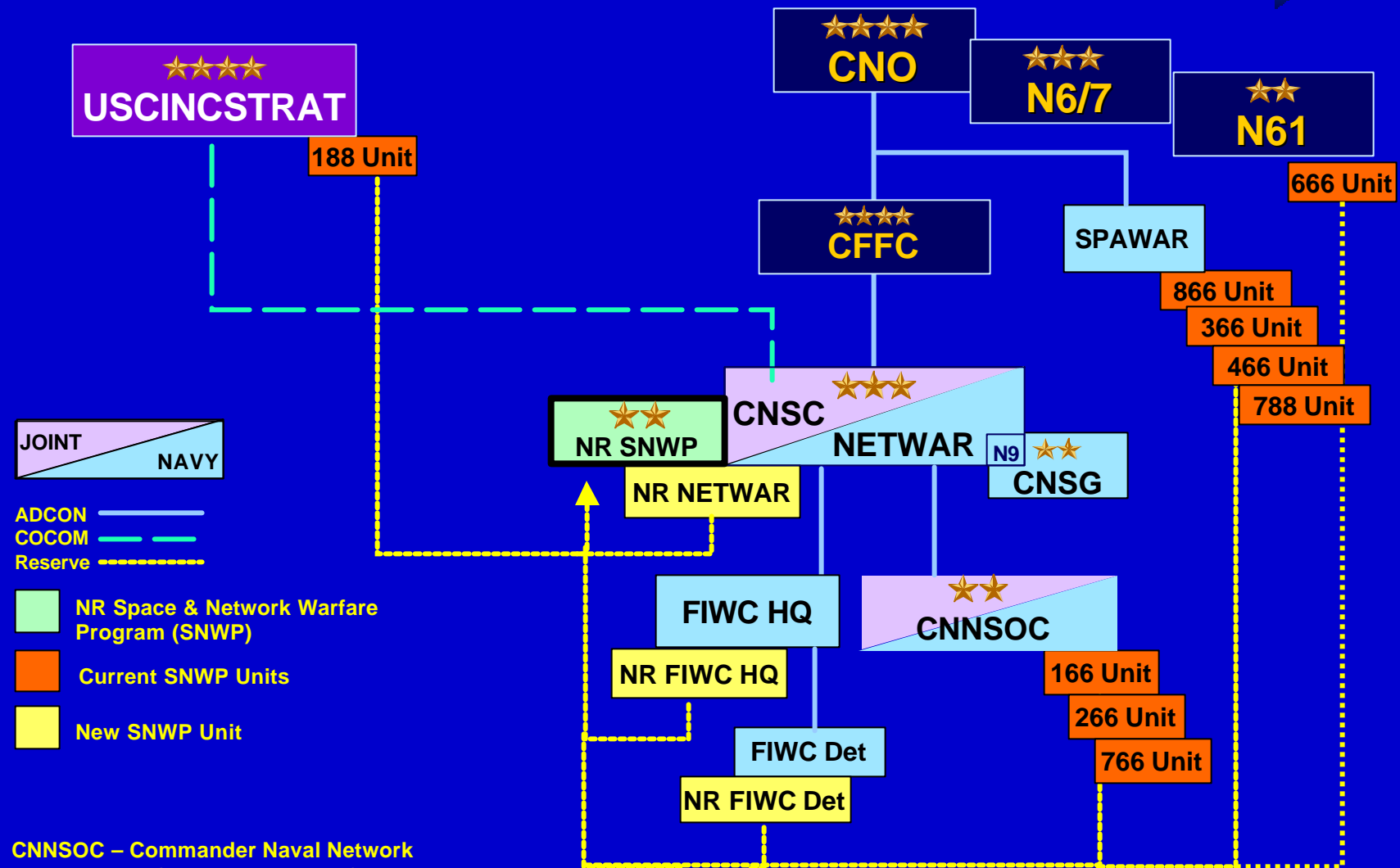**USCINCSTRAT** ★★★★

188 Unit

666 Unit

CFFC ★★★★

SPAWAR

866 Unit

366 Unit

466 Unit

788 Unit

CNSC ★★★
NETWAR

NR SNWP ★★

NR NETWAR

N9 ★★
CNSG

JOINT	
	NAVY

ADCON
COCOM
Reserve

NR Space & Network Warfare Program (SNWP)

Current SNWP Units

New SNWP Unit

FIWC HQ

CNNSOC ★★

NR FIWC HQ

166 Unit

266 Unit

766 Unit

FIWC Det

NR FIWC Det
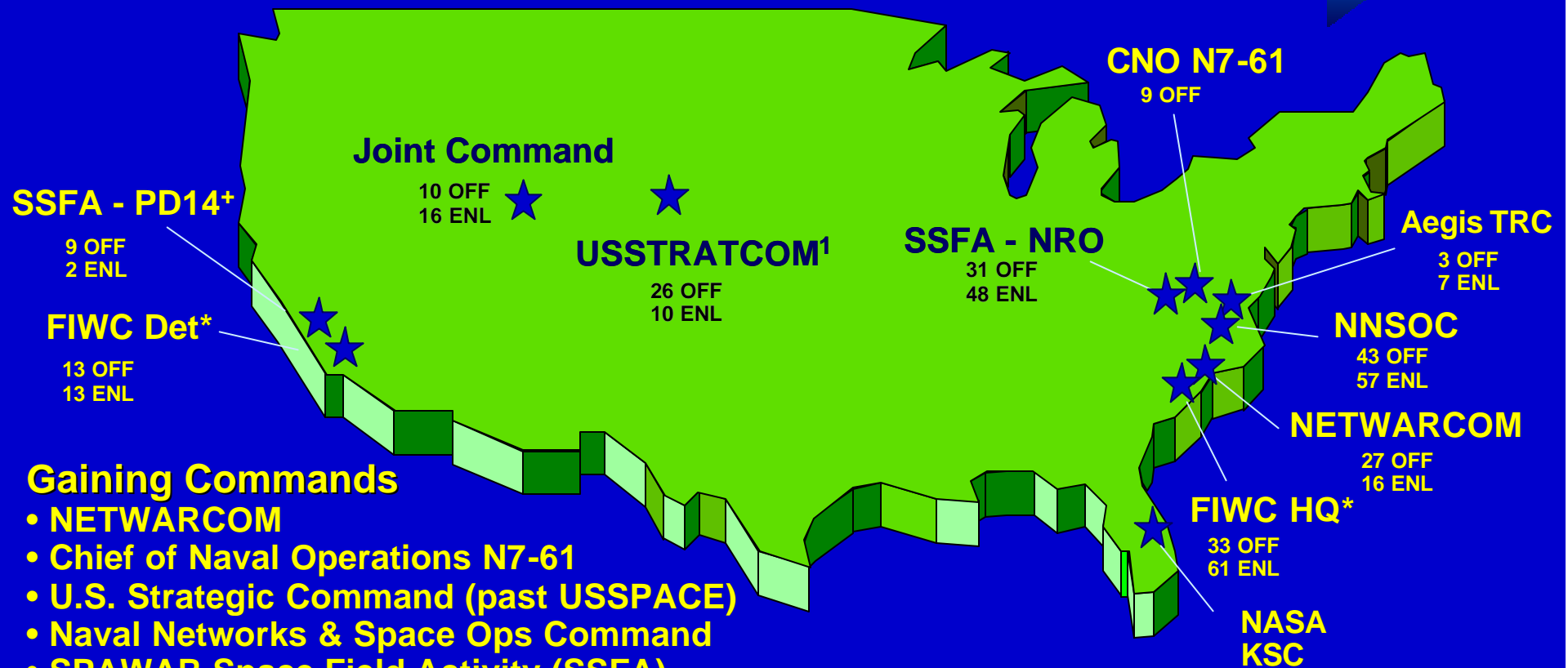
CNNSOC – Commander Naval Network & Space Operations Command
FIWC – Fleet Information Warfare Center

NR Space & Network Warfare Program

CNO N7-61
9 OFF

Joint Command
10 OFF
16 ENL

SSFA - PD14+
9 OFF
2 ENL

USSTRATCOM[1]
26 OFF
10 ENL

SSFA - NRO
31 OFF
48 ENL

Aegis TRC
3 OFF
7 ENL

FIWC Det*
13 OFF
13 ENL

NNSOC
43 OFF
57 ENL

NETWARCOM
27 OFF
16 ENL

FIWC HQ*
33 OFF
61 ENL

NASA KSC

Gaining Commands
- **NETWARCOM**
- **Chief of Naval Operations N7-61**
- **U.S. Strategic Command (past USSPACE)**
- **Naval Networks & Space Ops Command**
- **SPAWAR Space Field Activity (SSFA)**
- **Fleet Information Warfare Center**
- **Aegis Training Readiness Center (det)**
- **NASA Kennedy Space Center (det)**

* Currently organized under NRSG
[1] Being moved from Colorado Springs
+ Being moved from Washington, DC

Program Total:
204 Officer
230 Enlisted
434 Total + 16 Space VTU

National Program Management

- **Program Administration**
  - **SNWP Program Instruction**
  - **SNWP Policy Direction**
  - **Contributory Support Reports**
  - **05/06 Billet Selection Board**
  - **Leadership Conferences**
  - **NOBC Approvals**
  - **Assist Visits to Units**
  - **SNWP Sailor of the Year**
  - **SNWP JO of the Year**

- **Space Symposiums**

- **CO FITREP Reporting**

- **SNWP HQ Staffing**

SNWP The People in the Program

- **Officer Qualifications**
  - **Warfare Qualified: Air, Surface, Subsurface**
  - **Technically Qualified: Cryptology, Intelligence, Information Professional, Legal, AEDO/EDO, Supply, Oceanographer**
- **Enlisted Skills**
  - **Operators and Maintainers: IT, IS, OS, ET, EW and all CT Rates**
- **Civilian Employment: Professionals from Government & Industry**
  - **Aerospace Systems Engineering, Acquisition and Operations**
  - **Information Collection, Processing, Exploitation and Reporting**
  - **Tactical Application of Space / ISR Data**
  - **Remote Sensing Technologies**
- **Security Clearances:**
  - **Over 90% with SBI / SCI**
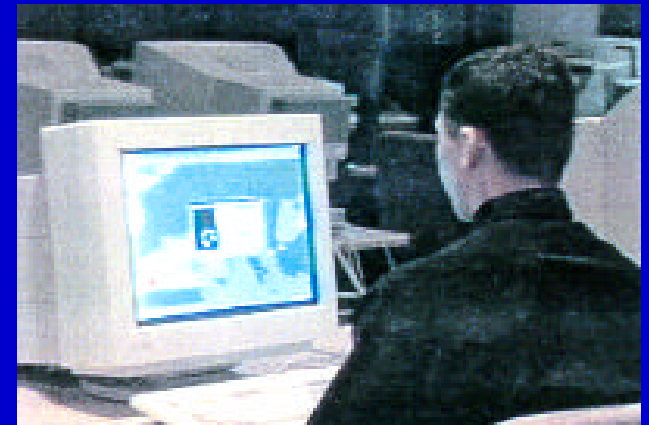
Concept Demos Leading to Req'ts

Improved Data Delivery

Integration Into Combat Architectures

Fleet / FMF Ops Support

- **Real-time Info in Cockpit**
- **TLAM Responsive Targeting**
- **Combat SAR**

- **Wideband Comms**
- **Data to SSN's**
- **Multi-INT Tactical Reports**

- **TBMD Space Cueing**
  - AEGIS
  - AADC
- **Time Critical Strike Capability**
  - NFN/LSS

- **Produce Info for the Fleet / FMF**
- **Help the Fleet Tactically Exploit Space / ISR**

Space & Network Warfare Support Across the Continuum

Space/ISR Data To Naval Platforms

Air:

- EA-6B Overhead Connectivity
- E-2C Hawkeye 2000 Program
- EP-3 Sensor System Improve
- P-3 ASuW Improve Program
- P-3 Hairy Buffalo (TCS)
- S-3 Sensor System Upgrade

Surface:

- Aegis Weapons System
  -- Space Cueing for TBMD
- Area Air Defense Commander
- Tomahawk Afloat Plan Sys
- Radiant Ether (Network)
- Naval Fires Network

Sub-Surface:

- Los Angeles and Seawolf
  -- Combat Control System
- VA class
  -- Integrated into ESM
- Alternate Delivery Means

Marine:

- Tactical Air Ops Center
- Tactical Air Comm Center
- TPS-59 Radar
  -- Space Cueing for TBMD

Naval Reserve Space & Network Warfare Program

- **Rooted in Fleet Integration of Space/ISR Information**

- **Postured for Future Network Centric Warfare Success**